WIC PNSS & PedNSS
Table 1C
2019 Pediatric Nutrition Surveillance [1]
Iowa
Summary of Demographic Indicators
Children Aged < 5 Years   [2,3]

Total Records	Number
Individual Children	60,328
Total Records (All Visits)	121,432

Source of Data	Number	%
WIC	60,328	100.0
EPSDT	0	0.0
Child Health-MCH	0	0.0
Child Health-HMO	0	0.0
HeadStart	0	0.0
School Health	0	0.0
Other	0	0.0
Total	**60,328**	**100.0**

Excluded Unknown   0   0.0 %

Race/Ethnic Distribution	Number	%
White, Not Hispanic	31,866	52.8
Black, Not Hispanic	8,828	14.6
Hispanic	12,914	21.4
American Indian/Alaska Native	276	0.5
Asian/Pacific Islander	1,919	3.2
Multiple Races	4,505	7.5
All Other	12	0.0
Total	**60,320**	**100.0**

Excluded Unknown   8   0.0 %

Age Distribution (4)	Number	%
0 - 5 Months	14,823	24.6
6 - 11 Months	8,568	14.2
12 - 23 Months	11,519	19.1
24 - 35 Months	9,479	15.7
3 - 4 Years	15,939	26.4
Total	**60,328**	**100.0**

% of Poverty Level	Number	%
0 - 50	17,558	29.3
51 - 100	17,645	29.5
101 - 130	9,868	16.5
131 - 150	4,835	8.1
151 - 185	5,461	9.1
186 - 200	1,065	1.8
Over 200	3,444	5.8
Adjunctive Eligibility	0	0.0
Total	**59,876**	**100.0**

Excluded Unknown   452   0.7 %

Program Participation	Number	%
WIC	60,328	100.0
SNAP	57,279	15.1
Medicaid	57,279	76.4
Tanf	57,279	1.2
Excluded Unknown		
WIC	0	0.0
SNAP	3,049	5.1
Medicaid	3,049	5.1
Tanf	3,049	5.1

Migrant Status	Number	%
Yes	29	0.0
No	60,299	100.0
Total	**60,328**	**100.0**

Excluded Unknown   0   0.0 %

(1) Reporting period is January 1 through December 31
(2) Analyses based on one record per child
(3) Excludes records with unknown data or errors.
(4) Records rejected if date of birth and date of visit unknown

WIC PNSS & PedNSS
Table 2C
2019 Pediatric Nutrition Surveillance [1]
Iowa
Summary of Health Indicators
Children Aged < 5 Years   [2]

Summary of Health Indicators [3]				
	Iowa Prevalence		National [10] Prevalence (Prior Year)	
	Number	%	Number	%
Birthweight				
Low	13,194	9.7	128,450	10.6
High	13,194	7.7	128,450	6.2
Height and Weight (5,6) (3)				
< 5 Yrs Short Stature	57,687	7.7	541,788	7.9
< 5 Yrs Underweight	57,687	2.1	541,788	3.2
< 5 Yrs Obese	57,687	13.6	541,788	10.3
>= 2 Yrs Overweight	24,033	17.2	226,640	15.9
>=2 Yrs Obese	24,033	15.1	226,640	12.9
Anemia (7)				
Low Hb	32,653	10.1	372,644	14.6
Low Hct	0	0.0	70	37.1
Low Hb/Hct	32,653	10.1	372,706	14.6
Breastfeeding (8)				
Ever Breastfed	13,417	71.0	128,559	73.5
Breastfed At Least 6 Months	7,044	25.8	77,021	36.7
Breastfed At Least 12 Months	5,303	18.1	74,114	28.0
Smoking in Household	39,550	2.9	510,665	3.3
<= 2 Hours TV Viewing/ Day (9)	14,496	82.9	227,134	81.4

(1) Reporting period is January 1 through December 31.
(2) Analyses based on one record per child.
(3) Excludes records with unknown data or errors.
(4) Infants born during the reporting period included in the analysis. Low birthweight is defined as < 2500 grams and high birthweight is defined as > 4000 grams.
(5) Based on 2006 WHO growth chart percentiles for children under 2 years of age; short stature is defined as length-for-age <= 2.3rd percentile, underweight is defined as weight-for-length <= 2.3rd percentile, and high weight-for-length (labeled as "Obese") is defined as >= 97.7th percentile.
(6) Based on 2000 CDC growth chart percentiles for children 2 years of age and older; short stature is defined as height-for-age < 5th percentile, underweight is defined as BMI-for-age < 5th percentile, overweight is defined as BMI-for-age >= 85th to < 95th percentile, and obesity is defined as >= 95th percentile.
(7) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.
(8) Infants born during the reporting period included in the Ever Breastfed analysis.
   Infants who turned 6 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 6 Months analysis.
   Children who turned 12 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 12 Months analysis.
(9) Children aged 2 years and older included in the analysis.
(10) National includes previous year's data for all participating States and ITOs.
* Percentages are not calculated if < 100 records are available for analysis after exclusions.

WIC PNSS & PedNSS
Table 3C
2019 Pediatric Nutrition Surveillance [1]
Iowa
Summary of Breastfeeding Indicators
Children Aged < 5 Years [2]

Summary of Breastfeeding Indicators [3]				
	Iowa Prevalence		National [7] Prevalence (Prior Year)	
	Number	%	Number	%
Breastfeeding Duration [4,5]				
Ever Breastfed	13,417	71.0	128,559	73.5
Breastfed 1+ Weeks	12,414	64.9	101,935	67.0
Breastfed 2+ Weeks	10,266	63.2	82,843	64.3
Breastfed 3+ Weeks	9,014	59.3	71,958	60.6
Breastfed 4+ Weeks	8,243	55.6	66,100	57.4
Breastfed 6+ Weeks	7,465	48.6	61,376	51.6
Breastfed 2+ Months	7,253	40.5	61,186	47.0
Breastfed 3+ Months	7,206	35.4	65,079	43.1
Breastfed 4+ Months	6,830	32.6	70,300	40.6
Breastfed 5+ Months	7,202	28.1	78,038	38.2
Breastfed 6+ Months	7,044	25.8	77,021	36.7
Breastfed 9+ Months	5,662	21.0	69,302	32.0
Breastfed 12+ Months	5,303	18.1	74,114	28.0
Breastfed 18+ Months	4,436	11.3	52,024	20.7
Exclusive Breastfeeding [6]				
Exclusively Breastfed at Least 3 Months	7,194	16.6	53,648	18.1
Exclusively Breastfed at Least 6 Months	7,032	6.0	62,388	7.9

(1) Reporting period is January 1 through December 31.
(2) Analyses based on one record per child.
(3) Excludes records with unknown data or errors.
(4) Infants born during the reporting period included in the Ever Breastfed analysis. For each breastfeeding duration category, the analysis includes only children who turned that age during the reporting period by/on their date of visit. For example, infants who turned 9 months old during the reporting period by/on their date of visit are included in the 9+ months analysis.
(5) It is possible the analysis will show that slightly more infants are breastfed at older ages, e.g. 1+ weeks of age, than at younger ages, e.g. at birth (ever breastfed), due to variation in infants included in each breastfeeding analysis category.
(6) The analysis includes infants who were ever breastfed and who turned that age during the reporting period by/on their date of visit.
(7) National includes previous year's data for all participating States and ITOs.
* Percentages are not calculated if < 100 records are available for analysis after exclusions.

WIC PNSS & PedNSS
Table 4C
2019 Pediatric Nutrition Surveillance (1)
Iowa
Comparison of Racial and Ethnic Distribution by Contributor to National (4)
Children Aged < 5 Years (2)

Comparison of Racial and Ethnic Distribution							
Contributor	Number Included in Analysis (3)	White, Not Hispanic %	Black, Not Hispanic %	Hispanic %	American Indian/Alaska Native %	Asian/Pacific Islander %	Multiple Races %	All Other/Unknown %
Iowa	60,328	52.8	14.6	21.4	0.5	3.2	7.5	0.0
National (Prior Year)	559,482	47.2	18.8	22.9	1.3	2.7	7.1	0.1

(1) Reporting period is January 1 through December 31.
(2) Analyses based on one record per child.
(3) Excludes records with errors.
(4) National includes previous year's data for all participating States and ITOs.
* Percentages are not calculated if < 100 records are available for analysis after exclusions.

Table 5C

2019 Pediatric Nutrition Surveillance (1)

Iowa

Comparison of Age Distribution by Contributor to National (5)

Children Aged < 5 Years (2)

Comparison of Age Distribution				
Contributor	Number Included in Analysis (3,4)	0 - 11 Months %	12 - 23 Months %	24 - 59 Months %
Iowa	**60,328**	**38.8**	**19.1**	**42.1**
National (Prior Year)	**559,482**	**33.4**	**21.3**	**45.3**

(1) Reporting period is January 1 through December 31.
(2) Analyses based on one record per child.
(3) Excludes records with unknown data or errors.
(4) Records rejected if date of birth and date of visit unknown.
(5) National includes previous year's data for all participating States and ITOs.
* Percentages are not calculated if < 100 records are available for analysis after exclusions.

WIC PNSS & PedNSS
Table 6C
2019 Pediatric Nutrition Surveillance (1)
Iowa
Comparison of Growth and Anemia Indicators by Contributor to National (8)
Children Aged < 5 Years (2)

Comparison of Growth and Anemia Indicators (3)

Contributor	Birth Weight (4)			Height and Weight (5,6)							Anemia Low Hb/Hct (7)	
		Low	High		Short Stature	Under-Weight	Obese	≥ 2 Yrs Overweight and Obese				
	Number	% <2500 g	% >4000 g	Number	%	%	%	Number	% Overweight	% Obese	Number	%
Iowa	13,194	9.7	7.7	57,687	7.7	2.1	13.6	24,033	17.2	15.1	32,653	10.1
National (Prior Year)	128,450	10.6	6.2	541,788	7.9	3.2	10.3	226,640	15.9	12.9	372,706	14.6

(1) Reporting period is January 1 through December 31.
(2) Analyses based on one record per child.
(3) Excludes records with unknown data or errors.
(4) Infants born during the reporting period included in the analysis.
(5) Based on 2006 WHO growth chart percentiles for children under 2 years of age; short stature is defined as length-for-age <= 2.3rd percentile, underweight is defined as weight-for-length <= 2.3rd percentile, and high weight-for-length (labeled as "Obese") is defined as >= 97.7th percentile.
(6) Based on 2000 CDC growth chart percentiles for children 2 years of age and older; short stature is defined as height-for-age < 5th percentile, underweight is defined as BMI-for-age < 5th percentile, overweight is defined as BMI-for-age >= 85th to < 95th percentile, and obesity is defined as >= 95th percentile.
(7) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.
(8) National includes previous year's data for all participating States and ITOs.
* Percentages and ranks are not calculated if < 100 records are available for analysis after exclusions.

WIC PNSS & PedNSS
Table 7C
2019 Pediatric Nutrition Surveillance [1]
Iowa
Comparison of Breastfeeding, TV Viewing, and Smoking in Household by Contributor to National [2,8]
Children Aged < 5 Years [3]

Comparison of Breastfeeding, TV Viewing, and Smoking in Household [4]															
Contributor	Breastfeeding [5]						Exclusive Breastfeeding [6]				≤ 2 Hours TV Viewing/Day [7]		Smoking in Household	
	Number	% Ever Breastfed	Number	% Breastfed At Least 6 Months	Number	% Breastfed At Least 12 Months	Number	% Breastfed At Least 3 Months	Number	% Breastfed At Least 6 Months	Number	%	Number	%
Iowa	13,417	71.0	7,044	25.8	5,303	18.1	7,194	16.6	7,032	6.0	14,496	82.9	39,550	2.9
National (Prior Year)	128,559	73.5	77,021	36.7	74,114	28.0	53,648	18.1	62,388	7.9	227,134	81.4	510,665	3.3

(1) Reporting period is January 1 through December 31.
(2) TV Viewing and Smoking in Household data are not reported by all contributors.
(3) Analyses based on one record per child.
(4) Excludes records with unknown data or errors.
(5) Infants born during the reporting period included in the Ever Breastfed analysis.
   Infants who turned 6 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 6 Months analysis.
   Children who turned 12 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 12 Months analysis.
(6) The analysis includes infants who were ever breastfed and who turned that age during the reporting period by/on their date of visit.
(7) Children aged 2 years and older included in the analyses.
(8) National includes previous year's data for all participating States and ITOs.
* Percentages and ranks are not calculated if < 100 records are available for analysis after exclusions.

WIC PNSS & PedNSS
Table 8C
2019 Pediatric Nutrition Surveillance (1)
Iowa
Growth and Anemia Indicators by Race/Ethnicity or Age
Children Aged < 5 Years (2)

Growth and Anemia Indicators by Race/Ethnicity or Age (3)												
	Birth Weight (4)			Height and Weight (5,6)							Anemia Low Hb/Hct (7)	
		Low	High		Short Stature	Under-Weight	Obese	≥ 2 Yrs Overweight and Obese				
	Number	% <2500 g	% >4000 g	Number	%	%	%	Number	% Overweight	% Obese	Number	%
Race/Ethnicity												
White, Not Hispanic	7,016	9.6	8.4	30,518	8.3	2.1	12.9	12,632	17.5	14.3	17,133	8.8
Black, Not Hispanic	1,974	13.6	5.4	8,426	6.6	2.9	12.3	3,484	14.6	12.0	4,764	16.8
Hispanic	2,734	7.2	8.4	12,316	7.3	1.5	16.3	5,204	18.6	18.9	7,131	8.8
American Indian/Alaska Native	47	6.4	4.3	259	6.6	1.9	21.2	110	18.2	25.5	140	13.6
Asian/Pacific Islander	363	8.8	3.0	1,854	6.8	2.8	10.2	874	14.0	12.5	1,088	9.3
Multiple Races	1,057	10.4	7.6	4,298	7.8	1.8	14.2	1,721	17.8	16.3	2,389	10.5
All Other	1	0.0	0.0	10	0.0	0.0	20.0	7	14.3	28.6	7	0.0
Total	**13,194**	**9.7**	**7.7**	**57,687**	**7.7**	**2.1**	**13.6**	**24,033**	**17.2**	**15.1**	**32,653**	**10.1**
Age												
0 - 11 Months	-	*	*	22,295	11.2	2.1	11.0	-	*	*	4,632	13.1
12 - 23 Months	-	*	*	11,319	7.6	0.7	14.9	-	*	*	8,778	13.0
24 - 35 Months	-	*	*	9,079	5.2	2.1	14.8	7,489	17.0	14.3	7,172	11.4
36 - 47 Months	-	*	*	7,752	4.4	3.1	15.1	7,752	17.0	15.1	6,691	7.3
48 - 59 Months	-	*	*	7,242	4.0	3.0	16.5	7,242	17.7	16.5	5,380	4.6
Total	**-**	*****	*****	**57,687**	**7.7**	**2.1**	**13.6**	**24,033**	**17.2**	**15.1**	**32,653**	**10.1**

(1) Reporting period is January 1 through December 31.
(2) Analyses based on one record per child.
(3) Excludes records with unknown data or errors.
(4) Infants born during the reporting period included in the analysis.
(5) Based on 2006 WHO growth chart percentiles for children under 2 years of age; short stature is defined as length-for-age <= 2.3rd percentile, underweight is defined
   as weight-for-length <= 2.3rd percentile, and high weight-for-length (labeled as "Obese") is defined as >= 97.7th percentile.
(6) Based on 2000 CDC growth chart percentiles for children 2 years of age and older; short stature is defined as height-for-age < 5th percentile, underweight is defined
   as BMI-for-age < 5th percentile, overweight is defined as BMI-for-age >= 85th to < 95th percentile, and obesity is defined as >= 95th percentile.
(7) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.
* Percentages are not calculated if < 100 records are available for analysis after exclusions.

WIC PNSS & PedNSS

Run Date: 2/7/2020

Table 9C

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2019 Pediatric Nutrition Surveillance (1)

Iowa

Breastfeeding, TV Viewing, and Smoking in Household by Race/Ethnicity or Age (2)

Children Aged < 5 Years (3)

Breastfeeding, TV Viewing, and Smoking in Household by Race/Ethnicity or Age (4)										
	Breastfeeding (5)						≤ 2 Hours TV Viewing/Day (7)		Smoking in Household	
	Number	% Ever Breastfed	Number	% Breastfed At Least 6 Months	Number	% Breastfed At Least 12 Months	Number	%	Number	%
Race/Ethnicity										
White, Not Hispanic	7,079	69.7	3,773	24.8	2,744	17.5	8,161	85.5	21,446	3.9
Black, Not Hispanic	2,055	69.9	1,002	30.3	794	19.8	1,615	71.2	5,057	2.0
Hispanic	2,776	76.7	1,479	27.9	1,178	18.4	3,288	82.8	8,750	1.5
American Indian/Alaska Native	55	50.9	42	28.6	18	33.3	72	70.8	160	1.3
Asian/Pacific Islander	377	77.7	192	35.4	189	32.3	346	81.5	1,274	1.0
Multiple Races	1,070	65.9	554	15.3	380	10.8	1,008	82.5	2,851	2.8
All Other/Unknown	1	100.0	1	0.0	0	*	5	80.0	7	0.0
Total	**13,417**	**71.0**	**7,044**	**25.8**	**5,303**	**18.1**	**14,496**	**82.9**	**39,550**	**2.9**
Age										
0 - 11 Months	-	*	-	*	-	*	-	*	13,901	2.6
12 - 23 Months	-	*	-	*	-	*	-	*	8,086	3.1
24 - 35 Months	-	*	-	*	-	*	4,717	84.2	6,733	2.9
36 - 47 Months	-	*	-	*	-	*	4,692	84.8	5,811	2.8
48 - 59 Months	-	*	-	*	-	*	4,054	84.0	5,019	3.7
Total	**13,417**	**71.0**	**7,044**	**25.8**	**5,303**	**18.1**	**14,496**	**82.9**	**39,550**	**2.9**

(1) Reporting period is January 1 through December 31.
(2) TV Viewing and Smoking in Household are not reported by all contributors.
(3) Analyses based on one record per child.
(4) Excludes records with unknown data or errors.
(5) Infants born during the reporting period included in the Ever Breastfed analysis.
    Infants who turned 6 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 6 Months analysis.
    Children who turned 12 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 12 Months analysis.
(6) Children aged 2 years and older included in the analysis
* Percentages are not calculated if < 100 records are available for analysis after exclusions.

Table 10C

2019 Pediatric Nutrition Surveillance (1)

Iowa

Summary of Trends in Racial and Ethnic Distribution

Children Aged < 5 Years   (2)

Summary of Trends in Racial and Ethnic Distribution							
Year	Number Included in Analysis (3)	White, Not Hispanic %	Black, Not Hispanic %	Hispanic %	American Indian/Alaska Native %	Asian/Pacific Islander %	Multiple Races %	All Other/Unknown %
2019	60,328	52.8	14.6	21.4	0.5	3.2	7.5	0.0
2018	62,497	54.0	13.9	21.2	0.4	3.2	7.3	0.0
2017	64,678	55.5	12.9	20.8	0.5	3.1	7.1	0.1
2016	63,205	56.6	11.5	21.0	0.4	2.9	7.4	0.3
2015	67,095	57.9	11.0	20.7	0.5	2.8	6.9	0.3
2014	66,005	59.2	10.1	20.6	0.5	2.6	6.7	0.3
2013	69,375	60.5	9.2	20.8	0.5	2.2	6.5	0.3
2012	73,050	61.3	8.7	20.9	0.5	1.8	6.1	0.8

(1) Reporting period is January 1 through December 31.
(2) Analyses based on one record per child.
(3) Excludes records with errors.

WIC PNSS & PedNSS
Table 11C
2019 Pediatric Nutrition Surveillance (1)
Iowa
Summary of Trends in Age Distribution
Children Aged < 5 Years   (2)

Summary of Trends in Age Distribution (3)				
Year	Number Included in Analysis (4)	0 - 11 Months %	12 - 23 Months %	24 - 59 Months %
2019	60,328	38.8	19.1	42.1
2018	62,497	40.6	18.0	41.4
2017	64,678	37.1	19.6	43.3
2016	63,205	33.9	21.8	44.2
2015	67,095	33.4	21.7	44.9
2014	66,005	33.9	21.3	44.8
2013	69,375	33.2	20.9	45.9
2012	73,050	34.9	19.2	45.9

(1) Reporting period is January 1 through December 31.
(2) Analyses based on one record per child.
(3) Records rejected if date of birth and date of visit unknown.
(4) Excludes records with unknown data or errors.
* Percentages are not calculated if < 100 records are available for analysis after exclusions.

WIC PNSS & PedNSS
Table 12C
2019 Pediatric Nutrition Surveillance [1]
Iowa
Summary of Trends in Growth and Anemia Indicators
Children Aged < 5 Years [2]

	Summary of Trends in Growth and Anemia Indicators [3]										
Year	**Birth Weight** [4]			**Height and Weight** [5,6]							**Anemia Low Hb/Hct** [7]
		Low	High		Short Stature	Under-Weight	Obese	≥ 2 Yrs Overweight and Obese			
	Number	% <2500 g	% >4000 g	Number	%	%	%	Number	% Overweight	% Obese	Number	%
2019	13,194	9.7	7.7	57,687	7.7	2.1	13.6	24,033	17.2	15.1	32,653	10.1
2018	13,851	9.5	7.5	60,042	7.6	2.1	13.6	25,044	17.0	15.4	34,175	11.0
2017	14,390	9.0	8.1	62,102	7.6	2.3	12.7	24,567	17.6	14.6	35,332	12.3
2016	14,402	9.6	8.3	60,887	7.4	2.5	12.6	23,987	17.4	14.6	36,677	11.5
2015	16,303	8.9	8.5	65,369	7.4	2.6	11.6	25,494	17.1	14.0	44,254	10.4
2014	16,777	8.6	8.5	64,390	6.9	2.6	11.7	25,536	17.1	14.4	42,607	9.2
2013	16,726	8.0	8.1	67,707	6.9	2.5	11.4	27,208	16.9	14.0	45,488	9.5
2012	16,917	8.4	8.1	71,241	6.3	2.3	11.9	31,301	17.2	14.1	49,343	8.4

(1) Reporting period is January 1 through December 31.
(2) Analyses based on one record per child.
(3) Excludes records with unknown data or errors.
(4) Infants born during the reporting period included in the analysis.
(5) Based on 2006 WHO growth chart percentiles for children under 2 years of age; short stature is defined as length-for-age <= 2.3rd percentile,
     underweight is defined as weight-for-length <= 2.3rd percentile, and high weight-for-length (labeled as "Obese") is defined as >= 97.7th percentile.
(6) Based on 2000 CDC growth chart percentiles for children 2 years of age and older; short stature is defined as height-for-age < 5th percentile,
     underweight is defined as BMI-for-age < 5th percentile, overweight is defined as BMI-for-age >= 85th to < 95th percentile, and obesity is defined as >= 95th percentile.
(7) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.
* Percentages are not calculated if < 100 records are available for analysis after exclusions.

WIC PNSS & PedNSS
Table 13C
2019 Pediatric Nutrition Surveillance (1)
Iowa
Summary of Trends in Breastfeeding
Children Aged < 5 Years   (2)

Year	Summary of Trends in Breastfeeding (3)					
	Breastfeeding (4)					
	Number	% Ever Breastfed	Number	% Breastfed At Least 6 Months	Number	% Breastfed At Least 12 Months
2019	13,417	71.0	7,044	25.8	5,303	18.1
2018	14,057	70.6	5,696	26.1	4,496	17.1
2017	14,644	70.8	9,543	22.4	6,909	16.0
2016	14,760	69.5	12,374	21.8	9,283	15.1
2015	16,745	67.7	14,025	22.5	10,651	15.7
2014	17,188	66.2	13,813	20.6	10,554	13.7
2013	17,132	65.4	14,183	19.8	10,598	12.4
2012	17,319	63.3	11,242	17.4	8,505	11.1

(1) Reporting period is January 1 through December 31.
(2) Analyses based on one record per child.
(3) Excludes records with unknown data or errors.
(4) Infants born during the reporting period included in the Ever Breastfed analysis.
   Infants who turned 6 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 6 Months analysis.
   Children who turned 12 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 12 Months analysis.
* Percentages are not calculated if < 100 records are available for analysis after exclusions.

WIC PNSS & PedNSS
Table 16C
2019 Pediatric Nutrition Surveillance [1]
Iowa
Growth Indicators by Race/Ethnicity and Age
Children Aged < 5 Years   [2]

Growth Indicators by Race/Ethnicity and Age [3]									
	Short Stature (4,5)		Underweight (4,5)		Obese (4,5)		≥ 2 Yrs Overweight and Obese (4,5)		
	Number	%	Number	%	Number	%	Number	% Overweight	% Obese
White, Not Hispanic									
0 - 11 Months	11,646	12.0	11,646	2.4	11,646	9.9	0	*	*
12 - 23 Months	6,240	8.4	6,240	0.4	6,240	15.8	0	*	*
24 - 59 Months	12,575	4.8	12,575	2.6	12,575	14.4	12,575	17.5	14.4
Total	**30,461**	**8.3**	**30,461**	**2.1**	**30,461**	**12.9**	**12,575**	**17.5**	**14.4**
Black, Not Hispanic									
0 - 11 Months	3,178	11.5	3,178	2.5	3,178	10.7	0	*	*
12 - 23 Months	1,764	5.4	1,764	0.7	1,764	15.8	0	*	*
24 - 59 Months	3,466	2.6	3,466	4.4	3,466	11.9	3,466	14.6	11.9
Total	**8,408**	**6.6**	**8,408**	**2.9**	**8,408**	**12.3**	**3,466**	**14.6**	**11.9**
Hispanic									
0 - 11 Months	4,525	10.0	4,525	1.3	4,525	12.1	0	*	*
12 - 23 Months	2,587	7.8	2,587	0.3	2,587	18.2	0	*	*
24 - 59 Months	5,167	4.8	5,167	2.2	5,167	18.9	5,167	18.6	18.9
Total	**12,279**	**7.4**	**12,279**	**1.5**	**12,279**	**16.3**	**5,167**	**18.6**	**18.9**
American Indian/Alaska Native									
0 - 11 Months	95	13.7	95	2.1	95	14.7	0	*	*
12 - 23 Months	54	0.0	54	0.0	54	24.1	0	*	*
24 - 59 Months	107	3.7	107	2.8	107	26.2	107	16.8	26.2
Total	**256**	**6.6**	**256**	**2.0**	**256**	**21.5**	**107**	**16.8**	**26.2**

(1) Reporting period is January 1 through December 31.
(2) Analyses based on one record per child.
(3) Excludes records with unknown data or errors.
(4) Based on 2006 WHO growth chart percentiles for children under 2 years of age; short stature is defined as length-for-age <= 2.3rd percentile, underweight is defined as weight-for-length <= 2.3rd percentile, and high weight-for-length (labeled as "Obese") is defined as >= 97.7th percentile.
(5) Based on 2000 CDC growth chart percentiles for children 2 years of age and older; short stature is defined as height-for-age < 5th percentile, underweight is defined as BMI-for-age < 5th percentile, overweight is defined as BMI-for-age >= 85th to < 95th percentile, and obesity is defined as >= 95th percentile.
* Percentages are not calculated if < 100 records are available for analysis after exclusions.

WIC PNSS & PedNSS
Table 16C
2019 Pediatric Nutrition Surveillance (1)
Iowa
Growth Indicators by Race/Ethnicity and Age
Children Aged < 5 Years   (2)

Growth Indicators by Race/Ethnicity and Age (3)									
	Short Stature (4,5)		Underweight (4,5)		Obese (4,5)		≥ 2 Yrs Overweight and Obese (4,5)		
	Number	%	Number	%	Number	%	Number	% Overweight	% Obese
Asian/Pacific Islander									
0 - 11 Months	584	7.7	584	1.5	584	7.0	0	*	*
12 - 23 Months	396	7.1	396	0.8	396	9.8	0	*	*
24 - 59 Months	873	6.1	873	4.6	873	12.5	879	13.9	12.4
Total	**1,853**	**6.8**	**1,853**	**2.8**	**1,853**	**10.2**	**873**	**14.0**	**12.5**
Multiple Races									
0 - 11 Months	1,744	11.4	1,744	1.9	1,744	10.9	0	*	*
12 - 23 Months	833	8.4	833	0.4	833	16.8	0	*	*
24 - 59 Months	1,712	4.0	1,712	2.4	1,712	16.1	1,712	17.9	17.3
Total	**4,289**	**7.8**	**4,289**	**1.8**	**4,289**	**14.1**	**1,712**	**17.8**	**16.1**
All Other/Unknown									
0 - 11 Months	1	0.0	1	0.0	1	0.0	0	*	*
12 - 23 Months	2	0.0	2	0.0	2	0.0	0	*	*
24 - 59 Months	7	0.0	7	0.0	7	28.6	7	14.3	28.6
Total	**10**	**0.0**	**10**	**0.0**	**10**	**20.0**	**7**	**14.3**	**28.6**
Total All Race/Ethnic Groups									
0 - 11 Months	21,776	11.4	21,776	2.1	21,776	10.5	0	*	*
12 - 23 Months	11,878	7.8	11,878	0.4	11,878	16.2	0	*	*
24 - 59 Months	23,908	4.5	23,908	2.8	23,908	15.1	23,908	17.2	15.1
Total	**57,562**	**7.8**	**57,562**	**2.1**	**57,562**	**13.6**	**23,908**	**17.2**	**15.1**

(1) Reporting period is January 1 through December 31.
(2) Analyses based on one record per child.
(3) Excludes records with unknown data or errors.
(4) Based on 2006 WHO growth chart percentiles for children under 2 years of age; short stature is defined as length-for-age <= 2.3rd percentile, underweight is defined as weight-for-length <= 2.3rd percentile, and high weight-for-length (labeled as "Obese") is defined as >= 97.7th percentile.
(5) Based on 2000 CDC growth chart percentiles for children 2 years of age and older; short stature is defined as height-for-age < 5th percentile, underweight is defined as BMI-for-age < 5th percentile, overweight is defined as BMI-for-age >= 85th to < 95th percentile, and obesity is defined as >= 95th percentile.
* Percentages are not calculated if < 100 records are available for analysis after exclusions.

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2019 Pediatric Nutrition Surveillance (1)

Iowa

Anemia Indicators by Race/Ethnicity and Age

Children Aged < 5 Years   (2)

Anemia Indicators by Race/Ethnicity and Age (3,4)

	Anemia Low Hb/Hct				Anemia Low Hb/Hct	
	Number	%			Number	%
White, Not Hispanic				Asian/Pacific Islander		
6 - 11 Months	2,003	12.2		6 - 11 Months	83	10.8
12 - 17 Months	2,512	12.7		12 - 17 Months	163	11.7
18 - 23 Months	2,099	11.2		18 - 23 Months	133	12.8
24 - 35 Months	3,806	9.4		24 - 35 Months	278	10.8
36 - 59 Months	6,193	4.9		36 - 59 Months	412	5.8
Total	16,613	8.8		Total	1,069	9.3
Black, Not Hispanic				Multiple Races		
6 - 11 Months	502	18.3		6 - 11 Months	339	15.0
12 - 17 Months	718	18.0		12 - 17 Months	330	11.5
18 - 23 Months	579	19.2		18 - 23 Months	264	14.4
24 - 35 Months	1,054	20.5		24 - 35 Months	448	12.5
36 - 59 Months	1,752	12.4		36 - 59 Months	905	6.3
Total	4,605	16.6		Total	2,286	10.5
Hispanic				All Other/Unknown		
6 - 11 Months	705	12.9		6 - 11 Months	2	0.0
12 - 17 Months	1,087	11.5		12 - 17 Months	1	0.0
18 - 23 Months	860	12.8		18 - 23 Months	0	*
24 - 35 Months	1,557	10.0		24 - 35 Months	1	0.0
36 - 59 Months	2,743	4.6		36 - 59 Months	4	0.0
Total	6,952	8.8		Total	8	0.0
American Indian/Alaska Native				Total All Race/Ethnic Groups		
6 - 11 Months	18	11.1		6 - 11 Months	3,652	13.4
12 - 17 Months	19	10.5		12 - 17 Months	4,830	13.1
18 - 23 Months	13	23.1		18 - 23 Months	3,948	13.0
24 - 35 Months	28	21.4		24 - 35 Months	7,172	11.4
36 - 59 Months	62	9.7		36 - 59 Months	12,071	6.1
Total	140	13.6		Total	31,673	10.1

(1) Reporting period is January 1 through December 31.
(2) Analyses based on one record per child.
(3) Excludes records with unknown data or errors.
(4) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.
* Percentages are not calculated if < 100 records are available for analysis after exclusions

Iowa

Summary of Trends in Growth and Anemia Indicators by Race/Ethnicity

Children Aged < 5 Years   [2]

Summary of Trends in Growth and Anemia Indicators by Race/Ethnicity [3]

| Race/Ethnicity | Year | Birth Weight [4] | | | Height and Weight [5,6] | | | | | | | Anemia Low Hb/Hct [7] | |
| | | Low | High | | Short Stature | Under- Weight | Obese | ≥ 2 Yrs Overweight and Obese | | | | |
		Number	% <2500 g	% >4000 g	Number	%	%	%	Number	% Overweight	% Obese	Number	%
White, Not Hispanic	2019	7,016	9.6	8.4	30,518	8.3	2.1	12.9	12,632	17.5	14.3	17,133	8.8
	2018	7,437	9.6	8.9	32,505	8.1	2.2	12.8	13,405	17.1	14.5	18,342	9.4
	2017	8,091	8.9	8.8	34,576	8.0	2.3	12.0	13,439	17.9	13.7	19,345	10.5
	2016	8,259	10.0	8.9	34,619	7.9	2.5	11.9	13,369	17.4	13.7	20,701	9.6
	2015	9,766	9.2	9.3	37,966	8.0	2.8	11.0	14,355	17.1	13.2	25,098	8.9
	2014	10,210	8.4	9.5	38,253	7.4	2.8	11.0	14,598	17.0	13.3	24,939	7.8
	2013	10,522	8.0	9.1	41,122	7.2	2.7	10.7	15,908	16.9	13.0	27,147	7.9
	2012	10,652	8.6	8.5	43,813	6.7	2.5	10.9	18,616	17.1	12.8	29,909	7.0
Black, Not Hispanic	2019	1,974	13.6	5.4	8,426	6.6	2.9	12.3	3,484	14.6	12.0	4,764	16.8
	2018	1,928	11.5	4.5	8,295	6.5	2.9	11.7	3,386	14.9	11.7	4,735	18.0
	2017	1,956	11.7	5.1	7,950	7.2	3.0	10.5	3,049	14.1	11.3	4,509	19.8
	2016	1,765	13.7	5.6	6,894	7.2	3.1	10.4	2,664	15.0	10.8	4,051	19.6
	2015	1,757	10.9	4.6	7,193	6.1	3.4	9.8	2,899	14.8	10.1	4,905	18.4
	2014	1,674	11.8	5.3	6,483	6.0	3.0	9.6	2,686	15.0	10.4	4,269	17.1
	2013	1,528	11.7	5.7	6,242	6.6	3.5	9.4	2,610	15.1	10.8	4,187	18.5
	2012	1,381	10.8	4.9	6,220	5.7	3.1	10.7	2,877	14.6	11.9	4,308	18.4

(1) Reporting period is January 1 through December 31.
(2) Analyses based on one record per child.
(3) Excludes records with unknown data or errors.
(4) Infants born during the reporting period included in the analysis.
(5) Based on 2006 WHO growth chart percentiles for children under 2 years of age; short stature is defined as length-for-age <= 2.3rd percentile, underweight is defined as weight-for-length <= 2.3rd percentile, and high weight-for-length (labeled as "Obese") is defined as >= 97.7th percentile.
(6) Based on 2000 CDC growth chart percentiles for children 2 years of age and older; short stature is defined as height-for-age < 5th percentile, underweight is defined as BMI-for-age < 5th percentile, overweight is defined as BMI-for-age >= 85th to < 95th percentile, and obesity is defined as >= 95th percentile.
(7) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.
* Percentages are not calculated if < 100 records are available for analysis after exclusions.

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2019 Pediatric Nutrition Surveillance [1]

Iowa

Summary of Trends in Growth and Anemia Indicators by Race/Ethnicity

Children Aged < 5 Years [2]

Race/Ethnicity	Year	Birth Weight [4]			Height and Weight [5,6]							Anemia Low Hb/Hct [7]	
			Low	High		Short Stature	Under-Weight	Obese	≥ 2 Yrs Overweight and Obese				
		Number	% <2500 g	% >4000 g	Number	%	%	%	Number	% Overweight	% Obese	Number	%
Hispanic	2019	2,734	7.2	8.4	12,316	7.3	1.5	16.3	5,204	18.6	18.9	7,131	8.8
	2018	2,942	8.0	6.8	12,680	7.2	1.4	17.4	5,421	18.5	20.5	7,368	9.8
	2017	2,874	7.3	8.2	12,917	6.8	1.6	16.6	5,293	19.3	19.8	7,631	11.3
	2016	2,929	7.1	8.6	12,753	6.4	1.9	15.7	5,222	19.1	19.6	7,844	11.4
	2015	3,185	7.4	8.7	13,469	6.3	1.8	14.9	5,546	18.5	18.9	9,543	9.4
	2014	3,239	7.5	7.9	13,283	6.1	2.1	15.0	5,743	19.0	19.3	9,215	8.1
	2013	3,117	6.0	6.7	14,067	5.9	1.6	15.1	6,261	18.0	18.8	10,059	8.5
	2012	3,045	6.6	8.4	14,855	5.2	1.4	15.6	7,255	19.0	18.8	11,009	7.1
American Indian/Alaska Native	2019	47	6.4	4.3	259	6.6	1.9	21.2	110	18.2	25.5	140	13.6
	2018	57	*	*	264	7.2	1.9	23.5	120	23.3	25.8	151	9.3
	2017	65	*	*	274	3.6	1.8	22.3	127	27.6	22.0	177	7.9
	2016	49	*	*	273	1.5	0.7	15.4	127	23.6	18.9	184	6.5
	2015	83	*	*	329	5.2	0.6	15.8	145	24.8	12.4	234	8.1
	2014	82	*	*	323	3.7	0.9	19.2	140	24.3	17.1	212	11.8
	2013	70	*	*	312	4.5	1.6	15.7	136	19.1	19.9	218	10.6
	2012	76	*	*	332	3.0	1.5	17.8	142	21.8	22.5	247	9.3

(1) Reporting period is January 1 through December 31.
(2) Analyses based on one record per child.
(3) Excludes records with unknown data or errors.
(4) Infants born during the reporting period included in the analysis.
(5) Based on 2006 WHO growth chart percentiles for children under 2 years of age; short stature is defined as length-for-age <= 2.3rd percentile, underweight is defined as weight-for-length <= 2.3rd percentile, and high weight-for-length (labeled as "Obese") is defined as >= 97.7th percentile.
(6) Based on 2000 CDC growth chart percentiles for children 2 years of age and older; short stature is defined as height-for-age < 5th percentile, underweight is defined as BMI-for-age < 5th percentile, overweight is defined as BMI-for-age >= 85th to < 95th percentile, and obesity is defined as >= 95th percentile.
(7) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.
* Percentages are not calculated if < 100 records are available for analysis after exclusions.

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2019 Pediatric Nutrition Surveillance [1]

Iowa

Summary of Trends in Growth and Anemia Indicators by Race/Ethnicity

Children Aged < 5 Years   [2]

Race/Ethnicity	Year	Birth Weight [4]			Height and Weight [5,6]							Anemia Low Hb/Hct [7]	
			Low	High			Short Stature	Under-Weight	Obese	≥ 2 Yrs Overweight and Obese			
		Number	% <2500 g	% >4000 g	Number	%	%	%	Number	% Overweight	% Obese	Number	%
Asian/Pacific Islander	2019	363	8.8	3.0	1,854	6.8	2.8	10.2	874	14.0	12.5	1,088	9.3
	2018	367	6.3	3.0	1,909	6.1	3.0	9.8	837	11.8	11.9	1,137	10.6
	2017	427	9.8	7.0	1,930	7.0	3.0	9.1	774	12.4	8.9	1,066	15.7
	2016	387	5.9	7.0	1,766	7.0	3.3	8.8	724	11.3	10.2	1,035	15.8
	2015	389	7.7	4.4	1,832	7.4	3.3	8.2	761	11.0	9.6	1,313	15.4
	2014	427	8.7	4.4	1,669	7.7	2.5	8.0	658	11.4	9.1	1,074	13.0
	2013	387	7.2	4.9	1,508	7.3	2.8	6.1	576	13.7	8.0	948	14.9
	2012	300	11.7	5.3	1,294	9.2	3.2	6.6	558	10.9	8.6	888	14.6
Multiple Races	2019	1,057	10.4	7.6	4,298	7.8	1.8	14.2	1,721	17.8	16.3	2,389	10.5
	2018	1,115	10.0	7.4	4,371	7.7	1.9	13.9	1,866	18.0	15.1	2,428	12.9
	2017	971	9.7	8.5	4,408	8.0	2.4	11.8	1,877	17.4	13.4	2,583	14.3
	2016	997	8.6	6.9	4,513	7.5	2.7	13.3	1,858	18.8	14.3	2,831	12.6
	2015	1,106	8.4	7.6	4,529	7.8	2.5	11.8	1,771	19.0	14.4	3,134	11.6
	2014	1,133	9.0	7.2	4,351	6.7	1.9	12.3	1,705	16.5	15.4	2,886	10.6
	2013	1,087	8.6	6.1	4,423	7.2	1.7	11.0	1,713	17.1	12.9	2,914	11.8
	2012	1,078	8.4	7.6	4,338	5.6	1.9	12.4	1,850	16.4	13.9	2,971	10.2

(1) Reporting period is January 1 through December 31.
(2) Analyses based on one record per child.
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(4) Infants born during the reporting period included in the analysis.
(5) Based on 2006 WHO growth chart percentiles for children under 2 years of age; short stature is defined as length-for-age <= 2.3rd percentile, underweight is defined as weight-for-length <= 2.3rd percentile, and high weight-for-length (labeled as "Obese") is defined as >= 97.7th percentile.
(6) Based on 2000 CDC growth chart percentiles for children 2 years of age and older; short stature is defined as height-for-age < 5th percentile, underweight is defined as BMI-for-age < 5th percentile, overweight is defined as BMI-for-age >= 85th to < 95th percentile, and obesity is defined as >= 95th percentile.
(7) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.
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2019 Pediatric Nutrition Surveillance [1]

Iowa

Summary of Trends in Growth and Anemia Indicators by Race/Ethnicity

Children Aged < 5 Years [2]

Race/Ethnicity	Year	Birth Weight [4]			Height and Weight [5,6]							Anemia Low Hb/Hct [7]	
			Low	High		Short Stature	Under-Weight	Obese	≥ 2 Yrs Overweight and Obese				
		Number	% <2500 g	% >4000 g	Number	%	%	%	Number	% Overweight	% Obese	Number	%
All Other/Unknown	2019	1	0.0	0.0	10	0.0	0.0	20.0	7	14.3	28.6	7	0.0
	2018	2	*	*	12	*	*	*	7	*	*	10	*
	2017	4	*	*	14	*	*	*	5	*	*	10	*
	2016	5	*	*	19	*	*	*	9	*	*	12	*
	2015	4	*	*	12	*	*	*	4	*	*	8	*
	2014	0	*	*	8	*	*	*	1	*	*	6	*
	2013	3	*	*	9	*	*	*	1	*	*	6	*
	2012	5	*	*	12	*	*	*	3	*	*	5	*
Total All Race/Ethnic Groups	2019	13,194	9.7	7.7	57,687	7.7	2.1	13.6	24,033	17.2	15.1	32,653	10.1
	2018	13,851	9.5	7.5	60,042	7.6	2.1	13.6	25,044	17.0	15.4	34,175	11.0
	2017	14,390	9.0	8.1	62,102	7.6	2.3	12.7	24,567	17.6	14.6	35,332	12.3
	2016	14,402	9.6	8.3	60,887	7.4	2.5	12.6	23,987	17.4	14.6	36,677	11.5
	2015	16,303	8.9	8.5	65,369	7.4	2.6	11.6	25,494	17.1	14.0	44,254	10.4
	2014	16,777	8.6	8.5	64,390	6.9	2.6	11.7	25,536	17.1	14.4	42,607	9.2
	2013	16,726	8.0	8.1	67,707	6.9	2.5	11.4	27,208	16.9	14.0	45,488	9.5
	2012	16,917	8.4	8.1	71,241	6.3	2.3	11.9	31,301	17.2	14.1	49,343	8.4

(1) Reporting period is January 1 through December 31.
(2) Analyses based on one record per child.
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(4) Infants born during the reporting period included in the analysis.
(5) Based on 2006 WHO growth chart percentiles for children under 2 years of age; short stature is defined as length-for-age <= 2.3rd percentile, underweight is defined as weight-for-length <= 2.3rd percentile, and high weight-for-length (labeled as "Obese") is defined as >= 97.7th percentile.
(6) Based on 2000 CDC growth chart percentiles for children 2 years of age and older; short stature is defined as height-for-age < 5th percentile, underweight is defined as BMI-for-age < 5th percentile, overweight is defined as BMI-for-age >= 85th to < 95th percentile, and obesity is defined as >= 95th percentile.
(7) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.
* Percentages are not calculated if < 100 records are available for analysis after exclusions.

WIC PNSS & PedNSS
Table 19C
2019 Pediatric Nutrition Surveillance [1]
Iowa
Summary of Trends in Breastfeeding Indicators by Race/Ethnicity
Children Aged < 5 Years   [2]

Summary of Trends in Breastfeeding Indicators by Race/Ethnicity [3]							
Race/Ethnicity	Year	Breastfeeding [4]					
		Number	% Ever Breastfed	Number	% Breastfed At Least 6 Months	Number	% Breastfed At Least 12 Months
White, Not Hispanic	2019	7,079	69.7	3,773	24.8	2,744	17.5
	2018	7,502	69.0	3,102	23.7	2,316	15.8
	2017	8,160	69.5	5,487	21.4	3,780	14.8
	2016	8,356	69.0	7,199	21.0	5,253	14.6
	2015	9,914	67.3	8,376	21.2	6,090	15.0
	2014	10,345	65.4	8,517	19.3	6,266	12.4
	2013	10,639	64.5	8,942	18.7	6,473	11.4
	2012	10,764	61.8	7,320	16.2	5,256	10.8
Black, Not Hispanic	2019	2,055	69.9	1,002	30.3	794	19.8
	2018	2,000	69.9	822	30.7	699	20.9
	2017	2,052	67.8	1,249	24.8	970	17.8
	2016	1,857	64.5	1,401	23.0	1,063	16.7
	2015	1,827	62.1	1,504	23.5	1,201	14.7
	2014	1,737	60.3	1,321	22.0	1,090	15.2
	2013	1,577	59.2	1,241	19.7	1,009	13.7
	2012	1,426	54.5	930	17.3	766	10.4

(1) Reporting period is January 1 through December 31.
(2) Analyses based on one record per child.
(3) Excludes records with unknown data or errors.
(4) Infants born during the reporting period included in the Ever Breastfed analysis.
   Infants who turned 6 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 6 Months analysis.
   Children who turned 12 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 12 Months analysis.
* Percentages are not calculated if < 100 records are available for analysis after exclusions.

WIC PNSS & PedNSS
Table 19C
2019 Pediatric Nutrition Surveillance (1)
Iowa
Summary of Trends in Breastfeeding Indicators by Race/Ethnicity
Children Aged < 5 Years   (2)

Summary of Trends in Breastfeeding Indicators by Race/Ethnicity (3)							
Race/Ethnicity	Year	Breastfeeding (4)					
		Number	% Ever Breastfed	Number	% Breastfed At Least 6 Months	Number	% Breastfed At Least 12 Months
Hispanic	2019	2,776	76.7	1,479	27.9	1,178	18.4
	2018	2,989	77.0	1,187	28.3	994	17.2
	2017	2,917	77.5	1,882	23.8	1,431	16.8
	2016	2,984	76.3	2,516	23.9	1,930	15.6
	2015	3,235	75.2	2,713	25.0	2,230	17.0
	2014	3,282	73.9	2,590	24.2	2,130	15.7
	2013	3,171	73.8	2,626	24.0	2,078	14.6
	2012	3,084	75.5	2,019	22.2	1,737	12.4
American Indian/Alaska Native	2019	55	50.9	42	28.6	18	33.3
	2018	61	*	23	*	23	*
	2017	66	*	30	*	27	*
	2016	50	*	57	*	51	*
	2015	84	*	55	*	47	*
	2014	86	*	72	*	48	*
	2013	72	*	46	*	50	*
	2012	76	*	57	*	36	*

(1) Reporting period is January 1 through December 31.
(2) Analyses based on one record per child.
(3) Excludes records with unknown data or errors.
(4) Infants born during the reporting period included in the Ever Breastfed analysis.
   Infants who turned 6 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 6 Months analysis.
   Children who turned 12 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 12 Months analysis.
* Percentages are not calculated if < 100 records are available for analysis after exclusions.

WIC PNSS & PedNSS
Table 19C
2019 Pediatric Nutrition Surveillance [1]
Iowa
Summary of Trends in Breastfeeding Indicators by Race/Ethnicity
Children Aged < 5 Years   [2]

Summary of Trends in Breastfeeding Indicators by Race/Ethnicity [3]						
Race/Ethnicity	Year	Breastfeeding [4]				
		Number	% Ever Breastfed	Number	% Breastfed At Least 6 Months	Number	% Breastfed At Least 12 Months
Asian/Pacific Islander	2019	377	77.7	192	35.4	189	32.3
	2018	378	79.6	148	43.9	203	27.1
	2017	438	76.9	303	38.0	259	30.9
	2016	400	75.8	307	37.8	299	29.8
	2015	402	73.9	387	45.5	350	35.4
	2014	439	77.7	358	39.1	315	32.7
	2013	399	72.9	330	37.3	244	27.5
	2012	306	70.6	218	33.5	182	26.9
Multiple Races	2019	1,070	65.9	554	15.3	380	10.8
	2018	1,121	62.8	407	21.6	261	9.6
	2017	987	65.5	582	14.6	438	11.0
	2016	1,014	62.1	874	15.1	682	9.1
	2015	1,120	58.1	974	16.1	730	11.0
	2014	1,147	57.9	942	15.1	702	9.5
	2013	1,102	58.6	981	12.5	739	7.7
	2012	1,086	57.7	683	11.7	525	5.7

(1) Reporting period is January 1 through December 31.
(2) Analyses based on one record per child.
(3) Excludes records with unknown data or errors.
(4) Infants born during the reporting period included in the Ever Breastfed analysis.
   Infants who turned 6 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 6 Months analysis.
   Children who turned 12 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 12 Months analysis.
* Percentages are not calculated if < 100 records are available for analysis after exclusions.

Table 19C
2019 Pediatric Nutrition Surveillance [1]
Iowa
Summary of Trends in Breastfeeding Indicators by Race/Ethnicity
Children Aged < 5 Years   [2]

Summary of Trends in Breastfeeding Indicators by Race/Ethnicity [3]						
Race/Ethnicity	Year	Breastfeeding [4]				
		Number	% Ever Breastfed	Number	% Breastfed At Least 6 Months	Number	% Breastfed At Least 12 Months
All Other/Unknown	2019	1	100.0	1	0.0	0	*
	2018	2	*	3	*	0	*
	2017	4	*	4	*	2	*
	2016	5	*	4	*	4	*
	2015	5	*	2	*	2	*
	2014	1	*	3	*	2	*
	2013	3	*	5	*	4	*
	2012	7	*	3	*	3	*
Total All Race/Ethnic Groups	2019	13,417	71.0	7,044	25.8	5,303	18.1
	2018	14,057	70.6	5,696	26.1	4,496	17.1
	2017	14,644	70.8	9,543	22.4	6,909	16.0
	2016	14,760	69.5	12,374	21.8	9,283	15.1
	2015	16,745	67.7	14,025	22.5	10,651	15.7
	2014	17,188	66.2	13,813	20.6	10,554	13.7
	2013	17,132	65.4	14,183	19.8	10,598	12.4
	2012	17,319	63.3	11,242	17.4	8,505	11.1

(1) Reporting period is January 1 through December 31.
(2) Analyses based on one record per child.
(3) Excludes records with unknown data or errors.
(4) Infants born during the reporting period included in the Ever Breastfed analysis.
   Infants who turned 6 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 6 Months analysis.
   Children who turned 12 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 12 Months analysis.
* Percentages are not calculated if < 100 records are available for analysis after exclusions.

WIC PNSS & PedNSS
Table 20C
2019 Pediatric Nutrition Surveillance [1]
Iowa
Summary of Trends in Growth Indicators by Age
Children Aged < 5 Years   [2]

Summary of Trends in Growth Indicators by Age [3]

Age	Year	Height and Weight [4,5]							Age	Year	Height and Weight [4,5]						
			Short Stature	Under- Weight	Obese	≥ 2 Yrs Overweight and Obese						Short Stature	Under- Weight	Obese	≥ 2 Yrs Overweight and Obese		
		Number	%	%	%	Number	% Overweight	% Obese			Number	%	%	%	Number	% Overweight	% Obese
0 - 11 Months	2019	22,295	11.2	2.1	11.0	0	*	*	**24 - 35 Months**	2019	9,079	5.2	2.1	14.8	7,489	17.0	14.3
	2018	24,345	10.9	2.2	10.7	0	*	*		2018	9,293	5.2	2.5	15.2	7,845	15.8	14.6
	2017	22,765	11.4	2.8	9.5	0	*	*		2017	9,862	5.3	2.0	14.3	6,979	17.2	13.3
	2016	20,404	11.7	3.3	8.6	0	*	*		2016	10,107	4.9	2.3	14.1	7,213	17.1	13.1
	2015	21,644	11.5	4.2	7.4	0	*	*		2015	10,775	4.4	1.9	13.4	7,057	16.6	12.1
	2014	21,677	10.9	4.3	6.7	0	*	*		2014	10,441	4.6	1.9	13.8	7,247	17.0	12.5
	2013	22,298	10.4	4.0	6.9	0	*	*		2013	10,752	4.9	1.8	12.8	6,998	16.1	11.9
	2012	24,733	9.5	3.1	7.8	0	*	*		2012	11,520	4.1	2.2	13.0	9,015	16.4	12.2
	2011	0	*	*	*	0	*	*		2011	0	*	*	*	0	*	*
	2010	0	*	*	*	0	*	*		2010	0	*	*	*	0	*	*
12 - 23 Months	2019	11,319	7.6	0.7	14.9	0	*	*	**36 - 47 Months**	2019	7,752	4.4	3.1	15.1	7,752	17.0	15.1
	2018	11,043	7.1	0.7	15.7	0	*	*		2018	8,041	4.5	2.8	15.9	8,041	17.5	15.9
	2017	12,486	7.4	0.6	14.2	0	*	*		2017	8,453	4.6	3.0	14.4	8,453	17.3	14.4
	2016	13,614	7.4	0.6	14.0	0	*	*		2016	8,041	3.9	3.2	14.5	8,041	17.3	14.5
	2015	14,510	7.7	0.6	12.8	0	*	*		2015	8,708	4.4	2.9	13.7	8,705	16.6	13.7
	2014	13,979	6.9	0.6	13.5	0	*	*		2014	8,612	4.0	2.4	14.0	8,608	16.7	14.0
	2013	14,445	7.5	0.6	12.7	0	*	*		2013	9,338	3.7	2.4	13.8	9,338	16.4	13.8
	2012	13,996	6.1	0.6	13.0	0	*	*		2012	10,222	3.8	2.7	14.7	10,221	17.2	14.7

(1) Reporting period is January 1 through December 31.
(2) Analyses based on one record per child.
(3) Excludes records with unknown data or errors.
(4) Based on 2006 WHO growth chart percentiles for children under 2 years of age; short stature is defined as length-for-age <= 2.3rd percentile,
   underweight is defined as weight-for-length <= 2.3rd percentile, and high weight-for-length (labeled as "Obese") is defined as >= 97.7th percentile.
(5) Based on 2000 CDC growth chart percentiles for children 2 years of age and older; short stature is defined as height-for-age < 5th percentile,
   underweight is defined as BMI-for-age < 5th percentile, overweight is defined as BMI-for-age >= 85th to < 95th percentile, and obesity is defined as >= 95th percentile.
* Percentages are not calculated if < 100 records are available for analysis after exclusions

WIC PNSS & PedNSS
Table 20C
2019 Pediatric Nutrition Surveillance (1)
Iowa
Summary of Trends in Growth Indicators by Age
Children Aged < 5 Years   (2)

12 - 23 Months									36 - 47 Months								
2011	0	*	*	*	0	*	*		2011	0	*	*	*	0	*	*
2010	0	*	*	*	0	*	*		2010	0	*	*	*	0	*	*

(1) Reporting period is January 1 through December 31.
(2) Analyses based on one record per child.
(3) Excludes records with unknown data or errors.
(4) Based on 2006 WHO growth chart percentiles for children under 2 years of age; short stature is defined as length-for-age <= 2.3rd percentile,
    underweight is defined as weight-for-length <= 2.3rd percentile, and high weight-for-length (labeled as "Obese") is defined as >= 97.7th percentile.
(5) Based on 2000 CDC growth chart percentiles for children 2 years of age and older; short stature is defined as height-for-age < 5th percentile,
    underweight is defined as BMI-for-age < 5th percentile, overweight is defined as BMI-for-age >= 85th to < 95th percentile, and obesity is defined as >= 95th percentile.
* Percentages are not calculated if < 100 records are available for analysis after exclusions

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2019 Pediatric Nutrition Surveillance [1]

Iowa

Summary of Trends in Growth Indicators by Age

Children Aged < 5 Years [2]

Summary of Trends in Growth Indicators by Age [3]

Age	Year	Height and Weight [4,5]							Age	Year	Height and Weight [4,5]						
		Number	Short Stature %	Under-Weight %	Obese %	≥ 2 Yrs Overweight and Obese Number	% Overweight	% Obese			Number	Short Stature %	Under-Weight %	Obese %	≥ 2 Yrs Overweight and Obese Number	% Overweight	% Obese
48 - 59 Months	2019	7,242	4.0	3.0	16.5	7,242	17.7	16.5	**Total All Age Groups**	2019	57,687	7.7	2.1	13.6	24,033	17.2	15.1
	2018	7,320	3.8	3.1	16.0	7,320	17.9	16.0		2018	60,042	7.6	2.1	13.6	25,044	17.0	15.4
	2017	8,536	3.3	2.9	15.8	8,536	18.3	15.8		2017	62,102	7.6	2.3	12.7	24,567	17.6	14.6
	2016	8,721	3.7	3.1	16.0	8,721	17.8	16.0		2016	60,887	7.4	2.5	12.6	23,987	17.4	14.6
	2015	9,731	3.8	2.8	15.7	9,731	17.9	15.7		2015	65,368	7.4	2.6	11.6	25,493	17.1	14.0
	2014	9,681	3.2	2.6	16.2	9,681	17.5	16.2		2014	64,390	6.9	2.6	11.7	25,536	17.1	14.4
	2013	10,873	3.6	2.8	15.5	10,871	17.9	15.5		2013	67,706	6.9	2.5	11.4	27,207	16.9	14.0
	2012	10,769	3.8	2.3	15.8	10,768	17.8	15.8		2012	71,240	6.3	2.3	11.9	31,300	17.2	14.1
	2011	0	*	*	*	0	*	*		2011	0	*	*	*	0	*	*
	2010	0	*	*	*	0	*	*		2010	0	*	*	*	0	*	*

(1) Reporting period is January 1 through December 31.

(2) Analyses based on one record per child.

(3) Excludes records with unknown data or errors.

(4) Based on 2006 WHO growth chart percentiles for children under 2 years of age; short stature is defined as length-for-age <= 2.3rd percentile,
   underweight is defined as weight-for-length <= 2.3rd percentile, and high weight-for-length (labeled as "Obese") is defined as >= 97.7th percentile.

(5) Based on 2000 CDC growth chart percentiles for children 2 years of age and older; short stature is defined as height-for-age < 5th percentile,
   underweight is defined as BMI-for-age < 5th percentile, overweight is defined as BMI-for-age >= 85th to < 95th percentile, and obesity is defined as >= 95th percentile.

* Percentages are not calculated if < 100 records are available for analysis after exclusions

Table 21C
2019 Pediatric Nutrition Surveillance [1]
Iowa
Summary of Trends in Anemia by Age
Children Aged < 5 Years [2]

Summary of Trends in Anemia by Age [3]

Age	Year	Anemia Low Hb/Hct [4]			Age	Year	Anemia Low Hb/Hct [4]	
		Number	%				Number	%
6 - 11 Months	2019	3,652	13.4		**18 - 23 Months**	2019	3,948	13.0
	2018	4,231	13.6			2018	3,975	14.6
	2017	2,924	14.8			2017	4,168	15.6
	2016	2,708	16.4			2016	4,457	14.5
	2015	2,417	17.1			2015	5,962	12.8
	2014	2,457	15.6			2014	5,602	11.4
	2013	2,532	15.3			2013	5,861	12.0
	2012	4,627	12.0			2012	6,029	9.6
12 - 17 Months	2019	4,830	13.1		**24 - 35 Months**	2019	7,172	11.4
	2018	4,589	14.8			2018	7,504	12.0
	2017	5,399	16.8			2017	7,735	13.1
	2016	6,269	15.4			2016	8,464	12.9
	2015	6,915	16.4			2015	10,293	10.8
	2014	6,675	14.4			2014	9,806	9.7
	2013	6,999	14.6			2013	10,113	9.8
	2012	6,426	12.4			2012	10,892	9.2

(1) Reporting period is January 1 through December 31.
(2) Analyses based on one record per child.
(3) Excludes records with unknown data or errors.
(4) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.
* Percentages are not calculated if < 100 records are available for analysis after exclusions

WIC PNSS & PedNSS
Table 21C
2019 Pediatric Nutrition Surveillance [1]
Iowa
Summary of Trends in Anemia by Age
Children Aged < 5 Years [2]

Summary of Trends in Anemia by Age [3]

Age	Year	Anemia Low Hb/Hct [4] Number	%
36 - 59 Months	2019	12,071	6.1
	2018	12,254	6.5
	2017	13,729	8.2
	2016	14,758	7.2
	2015	18,666	6.4
	2014	18,067	5.4
	2013	19,982	6.0
	2012	20,671	5.3
All Other/Unknown	2019	0	*
	2018	0	*
	2017	0	*
	2016	0	*
	2015	1	*
	2014	0	*
	2013	1	*
	2012	1	*

Age	Year	Anemia Low Hb/Hct [4] Number	%
Total All Age Groups	2019	32,653	10.1
	2018	34,175	11.0
	2017	35,332	12.3
	2016	36,677	11.5
	2015	44,253	10.4
	2014	42,607	9.2
	2013	45,487	9.5
	2012	49,342	8.4

(1) Reporting period is January 1 through December 31.
(2) Analyses based on one record per child.
(3) Excludes records with unknown data or errors.
(4) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.
* Percentages are not calculated if < 100 records are available for analysis after exclusions